

What is claimed is:

- 1) A method for accessing management information using SNMP-formats, the information stored in CIM formats, the method comprising:
 - receiving a request message from an SNMP client;
 - mapping the request message into CIM formats; and
 - performing at least one of retrieving and setting a CIM object value.
- 2) A method according to claim 1, the method further comprising:
 - encoding CIM property values into SNMP formats; and
 - returning an SNMP response message to the SNMP client.
- 10 3) A method for generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the method comprising:
 - reading at least one SNMP variable from the MIB file; and
 - generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID.
- 15 4) A method according to claim 3, wherein the mapping file entry further includes SNMP table indexes.
- 5) A computer program product for use on a computer system for accessing management information using SNMP-formats, the information stored in CIM formats, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:
 - receiving a request message from an SNMP client;
 - mapping the request message into CIM formats; and
 - performing at least one of retrieving and setting a CIM object value.

A computer program product for generating a mapping file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

- 5 reading at least one SNMP variable from the MIB file; and
generating a mapping file entry for at least one of a group and a row sequence specified in the MIB file, the mapping file entry including an OID, a class name, a property name, a SNMP datatype and a next OID.

- 10 6) A computer system for accessing management information using SNMP-formats, the information stored in CIM formats, the computer system comprising:

a buffer for receiving a request message ;
logic that receives a request message from an SNMP client;
logic that maps the request message into CIM formats; and
logic that performs at least one of retrieving and setting a CIM object value.

15

PCT/US2008/033709